

## SEMICONDUCTOR DEVICES HAVING THERMAL SPACERS

### Abstract of the Disclosure

A high power, high frequency semiconductor device has a plurality of unit cells connected in parallel. The unit cells each having a controlling electrode and first and second controlled electrodes. A thermal spacer divides at least one of the unit cells into a first active portion and a second active portion, spaced apart from the first  
5 portion by the thermal spacer. The controlling electrode and the first and second controlled electrodes of the unit cell cross over the first thermal spacer.